

Supplementary Materials: Phytochemical Study of *Tapirira guianensis* Leaves Guided by Vasodilatory and Antioxidant Activities

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¹H- and ¹³C-NMR spectra were recorded on a Variant spectrometer, MR-400 (¹H: 400 MHz; ¹³C: 100 MHz) or VNMRSYS-500 (¹H: 500 MHz; ¹³C: 125 MHz) using dimethyl sulfoxide-*d*₆ as solvent.

EA1 (1,4,6-tri-*O*-Galloyl-β-*D*-glucose): ¹H-NMR (400 MHz, DMSO-*d*₆): δ ppm 5.72 (d, *J* = 8.39 Hz, **H-1**); 3.43 (t, *J* = 8.39 Hz, **H-2**); 3.69 (t, *J* = 8.39 Hz, **H-3**); 5.02 (t, *J* = 8.39 Hz, **H-4**); 4.03 (d, *J* = 8.39 Hz, **H-5**); 4.21 (d, *J* = 12.28 Hz, **H-6**); 4.09 (dd, *J* = 12.28; 4.38 Hz, **H-6**); 6.96, 6.93, 7.03 (s, **H2'**, **6'**).

¹³C-NMR (100 MHz, DMSO-*d*₆): δ ppm 94.5 (**C-1**); 73.1 (**C-2**); 74.1 (**C-3**); 72.5 (**C-4**); 70.4 (**C-5**); 62.4 (**C-6**); 119.4, 119.4, 118.6 (**C-1'**); 109.3, 109.1, 109.4 (**C2'**, **6'**); 145.8, 145.9, 146.0 (**C3'**, **5'**); 139.0, 139.1, 139.6 (**C4'**), 165.3, 165.9, 164.9 (**C=O**).

EA2 (Quercetin 3-*O*-(6-*O*-galloyl)-β-*D*-galactopyranoside): ¹H-NMR (500 MHz, DMSO-*d*₆): δ ppm 6.17 (d, *J* = 1.96 Hz, **H-6**); 6.38 (d, *J* = 2.20 Hz, **H-8**); 7.51 (d, *J* = 2.20 Hz, **H-2'**); 6.81 (d, *J* = 8.31 Hz, **H-5'**); 7.64 (dd, *J* = 8.56, 2.20 Hz, **H-6'**); 5.33 (d, *J* = 7.83 Hz, **H-1''**); 3.60 (dd, *J* = 9.5; 7.7 Hz, **H-2''**); 3.45 (dd, *J* = 9.5; 3.2 Hz, **H-3''**); 3.72 (m, **H-4''**); 3.73 (m, **H-5''**); 4.12 (dd, *J* = 10.64, 7.46 Hz, **H-6''**, **a**); 4.04 (dd, *J* = 10.52, 5.87 Hz, **H-6''**, **b**); 6.86 (s, **H-2'''**, **6'''**).

¹³C-NMR (125 MHz, DMSO-*d*₆): δ ppm 156.3 (**C-2**); 138.5 (**C-3**); 177.3 (**C-4**); 161.1 (**C-5**); 98.7 (**C-6**); 165.4 (**C-7**); 93.6 (**C-8**); 156.2 (**C-9**); 103.7 (**C-10**); 120.9 (**C-1'**); 115.9 (**C-2'**); 145.4 (**C-3'**); 148.6 (**C-4'**); 115.1 (**C-5'**); 121.9 (**C-6'**); 102.0 (**C-1''**); 71.0 (**C-2''**); 72.4 (**C-3''**); 62.7 (**C-4''**); 72.8 (**C-5''**); 62.0 (**C-6''**); 119.0 (**C-1'''**); 108.5 (**C-2'''**, **6'''**); 144.8 (**C-3'''**, **5'''**); 138.5 (**C-4'''**); 164.8 (**C=O**).

EA3 (Quercetin): ¹H-NMR (400 MHz, DMSO-*d*₆): δ ppm 6.15 (d, *J* = 1.96 Hz, 1 H; **H-6**); 6.37 (d, *J* = 1.96 Hz, 1 H; **H-8**); 6.85 (d, *J* = 8.51 Hz, 1 H; **H-5'**); 7.50 (dd, *J* = 8.51, 2.05 Hz, 1 H; **H-6'**); 7.64 (d, *J* = 1.96 Hz, 1 H; **H-2'**).